

# **Appendix C**

## **Assurance of Disposal Capacity**

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Golder Associates Inc.

3730 Chamblee Tucker Road  
Atlanta, GA USA 30341  
Telephone (770) 496-1893  
Fax (770) 934-9476



March 29, 2004

Republic Services of Georgia, LP  
967 Carl-Bethlehem Road  
Winder, GA 30680

Attn: Mr. Mark Allen  
General Manager

**RE: CERTIFICATION FOR DISPOSAL CAPACITY AND PROJECTED LIFE  
PINE RIDGE LANDFILL**

Dear Mr. Allen:

Pursuant to Section 3.1 and 3.2 of the City of Atlanta Request for Bids (RFB) (FC-7650-04, Disposal of Municipal Solid Waste), this letter provides certification of the disposal capacity for the Pine Ridge Landfill, Permit Number 018-008D(MSWL).

As of March 31, 2003, the facility's remaining airspace is calculated to be 38,941,460 cubic yards. Currently, the facility accepts approximately 2,000 tons per day of municipal solid waste. Utilizing this disposal rate from March 31, 2003 through November 30, 2004 (approximately 453 operational days) and the facility's compaction ratio, the consumed airspace over this time period is calculated to be 1,449,600 cubic yards. Therefore, the remaining capacity of the disposal facility as of November 30, 2004 is calculated to be 37,491,860 cubic yards.

Assuming the contract to accept and dispose of the City of Atlanta's waste lasts five years (60 months), and that the additional disposal rate from the City's waste is 3,200 tons per day, the total disposal rate over the next five years is estimated to be 5,200 tons per day. Using the facility's compaction ratio, the airspace consumed over the next five years at this disposal rate is 11,897,600 cubic yards, which is less than the 37,491,860 cubic yards of remaining capacity calculated above.

*Therefore, per Section 3.2 of the RFB, the disposal capacity of the Pine Ridge Landfill is sufficient to accept the current waste disposal under contract plus the City's waste disposal quantities over the next 36 to 60 months.*

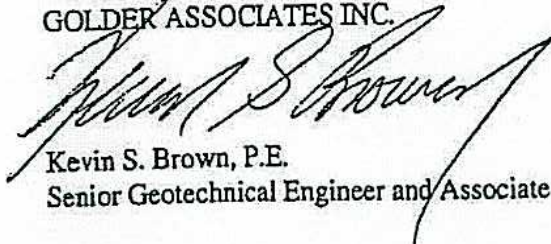
The remaining life of the facility without disposal of the City's waste is calculated to be approximately 41 years as of November 30, 2004 using a disposal rate of 2,000 tons per day.

Including the City's waste stream (maximum 3,200 tons per day) in addition to the waste stream currently under contract (2,000 tons per day), the estimated remaining life of the facility is approximately 16 years. *Therefore, per section 3.1 of the RFB, the Pine Ridge Landfill has sufficient disposal capacity to accept the City's waste plus waste already under contract for the next 10 years.*

If you have any questions regarding this letter, or if you need additional information, please call.

Very truly yours,

GOLDER ASSOCIATES INC.



Kevin S. Brown, P.E.  
Senior Geotechnical Engineer and Associate

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3/29/2004

**Golder Associates Inc.**

3730 Chamblee Tucker Road  
Atlanta, GA USA 30341  
Telephone (770) 496-1893  
Fax (770) 934-9476



March 22, 2004

Republic Services of Georgia, LP  
967 Carl-Bethlehem Road  
Winder, GA 30680

Attn: Mr. Mark Allen  
General Manager

RE: CERTIFICATION FOR MAXIMUM DAILY INTAKE  
PINE RIDGE LANDFILL AND LEE TRANSFER STATION

Dear Mr. Allen:

Pursuant to Section 3.5 of the City of Atlanta Request for Bids (FC-7650-04, Disposal of Municipal Solid Waste), this letter provides certification of the disposal rate for the Lee Transfer Station located approximately 1.6 miles west of the City of Atlanta limits and the Pine Ridge Landfill which will serve as the disposal facility for the City's waste.

The Lee Transfer Station has the capacity for simultaneous loading of two 22-ton capacity transfer trailers. Using the required disposal rate of 1,500 tons per day, a total of 69 trailers would need to be loaded each day. Utilizing the operational time of 9 hours (8:00 am to 5:00 pm) and two loading bays, eight trailers would need to be loaded each hour. This translates into loading two trucks every 15 minutes.

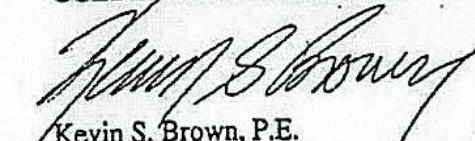
Based on our experience, this loading time is within acceptable ranges for typical operational conditions at the Lee Transfer Station. *Therefore, the Lee Transfer Station is capable of accepting 1,500 tons per day of municipal solid waste within the hours of 8:00 am to 5:00 pm.*

The Pine Ridge Landfill currently accepts approximately 2000 tons per day of solid waste. The landfill facility is designed such that there are sufficient staging areas to handle an additional 69 transfer trailers (1,500 tpd) during normal operational hours. *Therefore, the Pine Ridge Landfill is capable of accepting the additional waste from the City of Atlanta plus the waste already under contract at the facility.*

If you have any questions regarding this letter, or if you need additional information, please call.

Very truly yours,

GOLDER ASSOCIATES INC.

  
Kevin S. Brown, P.E.  
Senior Geotechnical Engineer and Associate

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3/29/2004

HODGES, HARBIN, NEWBERRY & TRIBBLE, INC.

CONSULTING ENGINEERS

484 MULBERRY STREET, SUITE 265 • POST OFFICE BOX 974  
MACON, GEORGIA 31201

H. LOWRY TRIBBLE, JR., PE  
WILLIAM F. HODGES, PE  
HAROLD L. NEWBERRY, PE  
J. STEVEN HARBIN, PE  
JEFFREY M. BROWNE, PE

TELEPHONE (478) 743-7175  
FAX (478) 743-1703

September 13, 2001

Mr. Wally Hall  
Advanced Disposal Services, Inc.  
9250 Baymeadows Road  
Suite 220  
Jacksonville, FL 32256

Re: Eagle Point Landfill  
(Formerly FSL Landfill)  
HHNT Project No. 1210-010-01

Dear Mr. Hall:

This letter serves as a demonstration of capacity of the subject landfill. This facility is permitted to dispose of a total of 29,403,000 cubic yards (total airspace minus landfill cap). Based on this permitted capacity, at a disposal rate of 1500 TPD, the facility has a life expectancy of 46 years.

Therefore, this facility can serve the City of Atlanta for 20 years, 30 years, 40 years, or 46 years.

Should you have any questions, please call.

Sincerely,

HODGES, HARBIN, NEWBERRY & TRIBBLE, INC.

William F. Hodges  
Principal



REMAINING CAPACITY REPORT  
ENVIRONMENTAL PROTECTION DIVISION  
LAND PROTECTION BRANCH  
4244 INTERNATIONAL PARKWAY, SUITE 104  
ATLANTA, GA 30354  
For assistance call: (404) 362-2696

## REMAINING MSW CAPACITY REPORT

Permit Holder: FSL Corporation

Address: 3210 Peachtree Road, Suite 16 Atlanta, GA 30305

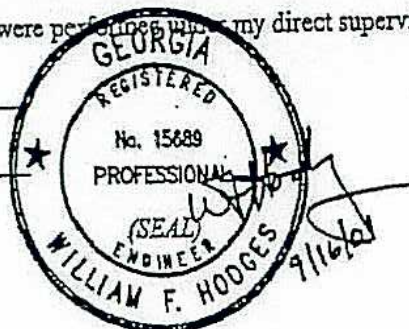
Site Name: Hightower Road Municipal Solid Waste Landfill

EPD Permit Number: 058-012D(MSWL)

		CALCULATED	
<b>I. SURVEY DATA</b>		Not Applicable	
A. Date of Topographic Survey		29,403,000	cy
B. Remaining MSW Volume (Available Fill Volume Based on Survey)		12.33	%
C. Estimated Percent by Volume of Total Used by Cover Soil		25,775,000	cy
D. Net Remaining MSW Waste Volume (Line B Reduced by Line C)			
<b>II. AMOUNT OF SOLID WASTE DISPOSED</b>			
E. Tons Per Day Received for Disposal (est.)		1,000	ton/day
F. Total Operational Days Per Year (est.)		286	days
G. Total Estimated Annual Tons Disposed		286,000	tons
<b>III. WASTE PLACEMENT</b>			
H. Estimated Waste Compaction Density (est.)		1350	lbs/cy
I. Estimated Waste Compaction Density		0.675	tons/cy
J. Net Volume Used Per Day (Line E Divided by Line I)		1,481	cy/day
K. Net Volume Used Per Year (Line G Divided by Line I)		423,704	cy/yr
<b>IV. REMAINING CAPACITY (SITE LIFE)</b>			
L. Remaining Capacity (Line D Divided by Line J)		17,404	days
M. Remaining Capacity (Line D Divided by Line K)		60.9	years
N. Estimated Date of Completion for Facility		January 22, 2063	
<b>V. ADDITIONAL INFORMATION</b>			
1. This site is not operational as of September, 2001. This site plans to accept waste in 2002. Estimates were made in areas required on this form.			
2. Assumes a start date of March 1, 2002.			

I hereby certify the above determinations were performed under my direct supervision.

William F. Hodges, P.E.  
Registered Professional Engineer  
Georgia Registration No. 15689  
September 16, 2001  
Date



Permit Holder

Date

## REMAINING MSW CAPACITY REPORT

Permit Holder: Federal Road, LLC

Address: 9250 Baymeadows Road, Suite 220, Jacksonville, FL 32256

Site Name: Eagle Point Municipal Solid Waste Landfill

EPD Permit Number: 058-012D(MSWL)

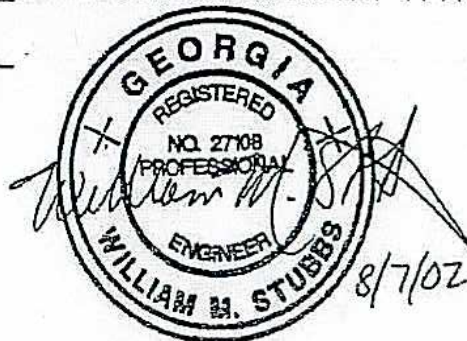
		CALCULATED	
<b>I. SURVEY DATA</b>		Not Applicable	
A. Date of Topographic Survey			
B. Remaining MSW Volume (Available Fill Volume Based on Survey)		30,451,597	cy
C. Estimated Percent by Volume of Total Used by Cover Soil		8	%
D. Net Remaining MSW Waste Volume (Line B Reduced by Line C)		28,015,469	cy
<b>II. AMOUNT OF SOLID WASTE DISPOSED</b>			
E. Tons Per Day Received for Disposal		800	ton/day
F. Total Operational Days Per Year		286	days
G. Total Estimated Annual Tons Disposed		228,800	tons
<b>III. WASTE PLACEMENT</b>			
H. Estimated Waste Compaction Density		1200	lbs/cy
I. Estimated Waste Compaction Density		0.6	tons/cy
J. Net Volume Used Per Day (Line E Divided by Line I)		1,333	cy/day
K. Net Volume Used Per Year (Line G Divided by Line I)		381,333	cy/yr
<b>IV. REMAINING CAPACITY (SITE LIFE)</b>			
L. Remaining Capacity (Line D Divided by Line J)		21,017	days
M. Remaining Capacity (Line D Divided by Line K)		73.47	years
N. Estimated Date of Completion for Facility		December 19, 2075	
<b>V. ADDITIONAL INFORMATION</b>			
1. This report covers data from 04/05/02 - 06/30/02			
2. Since the site recently opened, a topographic survey was not available. Prior to the 2003 remaining capacity report submittal a topographic survey of waste in place will be conducted.			

I hereby certify the above determinations were performed under my direct supervision.

William M. Stubbs  
Registered Professional Engineer  
Georgia Registration No. 27108

8/7/02

WM-FM Remaining MSW Capacity Report 4/96



Permit Holder

Date

